

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 April 2005 (21.04.2005)

PCT

(10) International Publication Number
WO 2005/035782 A1

- (51) International Patent Classification⁷: C12Q 1/18, G01N 33/50 (74) Agent: WINCKELS, J., H., F.; Verenigde, Johan de Wit-
tlaan 7, NL-2517 JR Den Haag (NL).
- (21) International Application Number: PCT/NL2004/000719 (81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.
- (22) International Filing Date: 13 October 2004 (13.10.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 03078246.0 13 October 2003 (13.10.2003) EP (84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (*for all designated States except US*): NED-
ERLANDSE ORGANISATIE VOOR TOEGEPAST-
NATUURWETENSCHAPPELIJK ONDERZOEK
TNO [NL/NL]; Schoemakerstraat 97, NL-2628 VK Delft
(NL).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): MONTIJN, Roy,
Christiaan [NL/NL]; Werengouw 9, NL-1024 NL Ams-
terdam (NL). SCHUREN, Frank, Henri, Johan [NL/NL];
Bachlaan 34, NL-3906 ZK Veenendaal (NL).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: METHOD OF CLASSIFYING CHEMICAL AGENTS AND IDENTIFYING CELLULAR TARGETS THEREOF

(57) Abstract: The present invention is in the field of characterization of antibiotic compounds, e.g. such as compounds useful for treating pathogenic infections in mammals and identification of cellular targets thereof. The invention further relates to a method of classifying antibiotic compounds, to methods for determining their modes of action and for identifying new antibiotic targets based on classification schemes comprising clustering according to similarity the biochemical response profiles (e.g. gene expression pattern) of an organism exposed to said compounds, for a period of less than one generation time.

WO 2005/035782 A1